

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Patrick CHIU et al.

Application No.: 10/776,618

Filed: February 12, 2004

Docket No.: 117876

For: SYSTEMS AND METHODS FOR CREATING AN INTERACTIVE 3D VISUALIZATION
OF INDEXED MEDIA

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 CFR §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

- ☒ 3. A co-pending U.S. patent application is identified on Form PTO 1449 of this Information Disclosure Statement. The Examiner is respectfully requested to consider each cited application and the art cited therein during examination of the present application.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

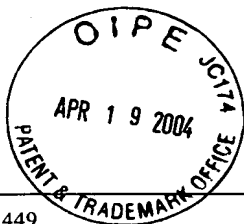
Jesse O. Collier
Registration No. 53,839

JAO:JOC/tea

Date: April 19, 2004

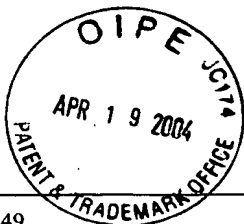
OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

| |
|---|
| <p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p> |
|---|


Sheet 1 of 2

| | | | | | | | |
|---|----|---|------------|-------------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 117876 | | APPLICATION NO. 10/776,618 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Patrick CHIU et al. | | | |
| | | | | FILING DATE February 12, 2004 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| | 1 | US 6,535,639 B1 | 03/18/2003 | Uchihachi et al. | | | |
| | 2 | US 2002/0054083 A1 | 05/09/2002 | Boreczky et al. | | | |
| | 3 | U. S. Patent Application No. 10/756,397 | 01/14/2004 | Chiu et al. | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | 4 | Bederson, B., Schneiderman, B., Wattenberg, M. Ordered and quantum treemaps: Making effective use of 2D space to display hierarchies. <i>ACM Transactions on Graphics</i> , 21(4): 833-854 (Oct 2002). | | | | | |
| | 5 | Benford, S.D., Snowdon, D.N., Greenhagh, C.M., Ingram, R J., Knox, I. and Brown, C.C., VR-VIBE: A Virtual Environment for Co-operative Information Retrieval, <i>Computer Graphics Forum</i> , 14, (3), pp. 349-360, 1995, NCC Blackwell. | | | | | |
| | 6 | Bruls, M., Huizing, K., van Wijk, J.J. Squarified treemaps. <i>Proceedings of Joint Eurographics and IEEE TCVG Symposium on Visualization (TVCG 2000)</i> , IEEE Press, pp. 33-42. | | | | | |
| | 7 | Chiu, P., Boreczky, J., Girgenohn, A., Kimber, D. LiteMinutes: An Internet-based system for multimedia minutes. <i>Proceedings of Tenth World Wide Web Conference (2001)</i> , pp. 140-149. See http://www10.org . | | | | | |
| | 8 | Denoue, L., Chiu, P., Fuse, T. Shared text input for note taking on handheld devices. <i>CHI '02 Abstracts</i> . ACM Press, pp. 794-795. | | | | | |
| | 9 | Frécon, E., Smith, G. WebPath - A three-dimensional Web history, <i>IEEE InfoVis '98</i> , pp. 3-10. | | | | | |
| | 10 | Girgensohn, A., Boreczky, J., Wilcox, L., and Foote, J. Facilitating video access by visualizing automatic analysis. <i>Proceedings of interact '99</i> . IOS Press, pp. 205-212. | | | | | |
| | 11 | Mukhopadhyay, S. and Smith, B. Passive capture and structuring of lectures. <i>Proc. ACM Multimedia '99</i> . ACM, New York, pp. 477-487. | | | | | |
| | 12 | Card, S., Robertson, G., York, W. The WebBook and Web Forager: An information workspace for the World-Wide Web. <i>Proceedings of CHI '96</i> . ACM, New York, pp. 111-117. | | | | | |
| | 13 | Chiu, P., Kapuskar, A., Reitmeier, S., and Wilcox, L. NoteLook: Taking notes in meetings with digital video and ink. <i>Proceedings of ACM Multimedia '99</i> . ACM, New York, pp. 149-158. | | | | | |
| | 14 | Dieberger, A. A city metaphor to support navigation in complex information spaces. <i>Journal of Visual Languages and Computing</i> , 1998 (9), pp. 597-622. | | | | | |
| | 15 | Lynch, K. <i>The Image of the City</i> . MIT Press, 1960. | | | | | |
| | 16 | Mitchell, W.J., <i>City of Bits: Space, Place and the InfoBahn</i> . 1996: MIT Press. | | | | | |
| EXAMINER | | | | | DATE CONSIDERED | | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

Date: April 19, 2004

Sheet 2 of 2

| | | | | | | | |
|---|----|---|------|-------------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 117876 | | APPLICATION NO. 10/776,618 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Patrick CHIU et al. | | | |
| | | | | FILING DATE February 12, 2004 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | 17 | Snowdon, D., Benford, S., Greenhalgh, C., Ingram, R., Brown, C., Fahlén, L. and Stenius, M., A 3D Collaborative Virtual Environment for Web Browsing, in <i>Virtual Reality Universe '97</i> . Westin Santa Clara Hotel, California, USA, April 1997. | | | | | |
| | 18 | Uchihashi, S., Foote, J. Summarizing video using a shot importance measure and a frame-packing algorithm. <i>Proc. ICASSP '99</i> , Vol. 6, pp. 3041-3044. | | | | | |
| | 19 | Yamaguchi, Y., Itoh, T., Ikehata, I., Kajinaga. Web site visualization using a hierarchical rectangle packing technique. <i>IEEE InfoVis '02 Poster Compendium</i> , pp. 58-59. | | | | | |
| | 20 | Yeung, M.M., Yeo, B.L. Video visualization for compact presentation and fast browsing of pictorial content. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 7, No. 5 (Oct 97), pp. 771-785. | | | | | |
| | 21 | Robertson, G.G., Card, S.K., Mackinlay, J.D. Information visualization using 3D interactive animation. <i>Comm. of the ACM</i> , 36 (4), (1993), 57-71. | | | | | |
| | 22 | SCI FSN file system navigator (1999), http://www.sgi.com/fun/freeware/3d_navigator.html . | | | | | |
| | 23 | SimCity game software. Maxis, Electronic Arts company (1989), http://simcity.ea.com/play/simcity-classic.php | | | | | |
| | 24 | Benford, S., Snowdon, D., Brown, C., Reynard, G., Ingram, R. Visualising and Populating the Web: Collaborative Virtual Environments for Browsing, Searching and Inhabiting Webspace. <i>Proc. 8th Joint European Networking Conference (JENC'8)</i> , Edinburgh, May 1997. | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | | DATE CONSIDERED | | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

Date: April 19, 2004